

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 24, 2006, 05:25:18 ; Search time 1497 Seconds
(without alignments)
9793.993 Million cell updates/sec

Title: US-10-808-964A-2
Perfect score: 1773
Sequence: 1 ggcactcgtgattgttc.....caatcgcttggtggtacc 1773

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA_Main:*

- 1: /cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
- 3: /cgn2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:*
- 4: /cgn2_6/prodata/1/pubpna/US09B_PUBCOMB.seq:*
- 5: /cgn2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:*
- 6: /cgn2_6/prodata/1/pubpna/US10B_PUBCOMB.seq:*
- 7: /cgn2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:*
- 8: /cgn2_6/prodata/1/pubpna/US10D_PUBCOMB.seq:*
- 9: /cgn2_6/prodata/1/pubpna/US10E_PUBCOMB.seq:*
- 10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1773	100.0	1773	6	US-10-314-512-2
2	1773	100.0	1773	8	US-10-808-964-2
3	1285.2	72.5	1768	7	US-10-311-423-4
4	1278.8	72.1	1768	7	US-10-311-423-2
5	1277.2	72.0	1768	7	US-10-311-423-6
6	1274	71.9	1768	7	US-10-311-423-3
7	1274	71.9	1768	7	US-10-311-423-5
8	1252	70.6	1762	7	US-10-311-423-1
9	1218.2	68.7	1759	7	US-10-311-423-7
10	1195.8	67.5	17460	5	US-10-038-001-7
11	1195.8	67.4	5225	5	US-10-286-186-16
12	1195.8	67.4	5285	5	US-10-038-001-1
13	1195.8	67.4	5650	5	US-10-038-001-2
14	1195.8	67.4	5650	6	US-10-286-186-17
15	1059.8	59.8	1759	3	US-09-784-962-5
16	1059.8	59.8	1759	3	US-09-884-514-5
17	1059.8	59.8	1759	8	US-10-624-049-5
18	1059.8	59.8	1759	9	US-10-780-318-5
19	1058.4	59.7	1768	6	US-10-314-512-1
20	1058.4	59.7	1768	8	US-10-808-964-1
21	981.2	55.3	1768	3	US-09-784-962-3
22	981.2	55.3	1768	3	US-09-884-514-3
23	981.2	55.3	1768	8	US-10-624-049-3

ALIGNMENTS

RESULT 1

US-10-314-512-2
; Sequence 2, Application US/10314512

; Publication No. US20030170270A1

; GENERAL INFORMATION:

; APPLICANT: Meng, Xiang-Jin

; APPLICANT: Penaux, Martijn G.

; APPLICANT: Halbur, Patrick G.

; TITLE OF INVENTION: Chimeric Infectious DNA Clones, Chimeric Porcine Circoviruses and

; TITLE OF INVENTION: Theroef

; FILE REFERENCE: AM100878

; CURRENT APPLICATION NUMBER: US/10/314,512

; CURRENT FILING DATE: 2002-12-09

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 2

; LENGTH: 1773

; TYPE: DNA

; ORGANISM: Porcine circovirus

US-10-314-512-2

Query Match	100.0%;	Score 1773;	DB 6;	Length 1773;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1773;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	GGTACCTCGTGGATTGTTCTCAGCAGTCTTCCAAAATTCGAAAGTAGTAATCTCCCGA	60	
Db	1	GGTACCTCGTGGATTGTTCTCAGCAGTCTTCCAAAATTCGAAAGTAGTAATCTCCCGA	60	
QY	61	TAGAGAGCTTCTACAGCTGGGACAGCAGTGGAGGTACCATCTCTGGGGGGCTGATTG	120	
Db	61	TAGAGAGCTTCTACAGCTGGGACAGCAGTGGAGGTACCATCTCTGGGGGGCTGATTG	120	
QY	121	CTGGTAATCAAAATCTCGGGGCCAAAAGAAAGAGTACATCCCTTTAGTCTCTACAGTC	180	
Db	121	CTGGTAATCAAAATCTCGGGGCCAAAAGAGTACATCCCTTTAGTCTCTACAGTC	180	
QY	181	AATGATACCGGTCTACAGTCTCAGTAGATCATCCCAAGGTAAACAGCCATAAATCA	240	
Db	181	AATGATACCGGTCTACAGTCTCAGTAGATCATCCCAAGGTAAACAGCCATAAATCA	240	
QY	241	TCCAAACACACACTTCTTCTCCATGATATCCATCCACCATTTATTTCTACAGCTTC	300	
Db	241	TCCAAACACACACTTCTTCTCCATGATATCCATCCACCATTTATTTCTACAGCTTC	300	
QY	301	CAGTAGGTGTCCTAGGCTCAGCAAAATTAACGGGGCCACTGGGCTCTTCCCAACACCGGC	360	

Result No.	Score	Query Match	ID			Description
			Length	DB	ID	
C 1	1059.8	59.8	1759	3	US-09-347-594-5	Sequence 5, Appli
C 2	1059.8	59.8	1759	3	US-09-082-558-5	Sequence 5, Appli
C 3	1059.8	59.8	1759	3	US-09-161-092-5	Sequence 5, Appli
C 4	1059.8	59.8	1759	3	US-09-583-350-5	Sequence 5, Appli
C 5	1059.8	59.8	1759	3	US-09-884-514-5	Sequence 5, Appli
C 6	1059.8	59.8	1759	3	US-09-784-962-5	Sequence 5, Appli
C 7	1053.2	59.4	3609	3	US-09-583-545-13	Sequence 13, Appli
C 8	981.2	55.3	1768	3	US-09-347-594-3	Sequence 3, Appli
C 9	981.2	55.3	1768	3	US-09-082-558-3	Sequence 3, Appli
C 10	981.2	55.3	1768	3	US-09-161-092-3	Sequence 3, Appli
C 11	981.2	55.3	1768	3	US-09-583-350-3	Sequence 3, Appli
C 12	981.2	55.3	1768	3	US-09-884-514-3	Sequence 3, Appli
C 13	981.2	55.3	1768	3	US-09-784-962-3	Sequence 3, Appli
C 14	976.4	55.1	1768	3	US-09-347-594-4	Sequence 4, Appli
C 15	976.4	55.1	1768	3	US-09-082-558-4	Sequence 4, Appli
C 16	976.4	55.1	1768	3	US-09-161-092-4	Sequence 4, Appli
C 17	976.4	55.1	1768	3	US-09-583-350-4	Sequence 4, Appli
C 18	976.4	55.1	1768	3	US-09-884-514-4	Sequence 4, Appli
C 19	976.4	55.1	1768	3	US-09-784-962-4	Sequence 4, Appli
C 20	967.2	54.6	1768	3	US-09-082-558-6	Sequence 6, Appli
C 21	967.2	54.6	1768	3	US-09-161-092-6	Sequence 6, Appli
C 22	967.2	54.6	1768	3	US-09-583-350-6	Sequence 6, Appli
C 23	967.2	54.6	1768	3	US-09-884-514-6	Sequence 6, Appli
C 24	954	53.8	1767	3	US-09-347-594-1	Sequence 1, Appli

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OM nucleic - nucleic search, using sw model

Run on: January 24, 2006, 05:14:52 ; Search time 7316 Seconds
(without alignments)

11338.641 Million cell updates/sec

Title: US-10-808-964A-2

Perfect score: 1773

Sequence: 1 ggtacctcgtgattgttc.....caaatcgctcggtacc 1773

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST:*

1: gb_est1:*

2: gb_est2:*

3: gb_est3:*

4: gb_btc:*

5: gb_est4:*

6: gb_est5:*

7: gb_est6:*

8: gb_est7:*

9: gb_gsa1:*

10: gb_gsa2:*

11: gb_gsa3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	56.6	3.2	1101	10	CNS00LT2
C 2	50.2	2.8	939	10	CNS00CNG
C 3	48.6	2.7	870	2	BG445569 GA_Ha002
C 4	48.2	2.7	573	6	CD659610 EtESTef53
C 5	47.6	2.7	1141	10	AG365778 Mus muscu
C 6	47.4	2.7	922	10	CNS00J3W
C 7	47.2	2.7	912	10	AG886740 Oryza sat
C 8	46.8	2.6	451	7	CO856405 LM_SL5_00
C 9	46.8	2.6	553	7	CO824976 LM_GB5_00
C 10	46.6	2.6	571	6	CA741621 wia1c.pk0
C 11	46.6	2.6	857	3	BP162319 BP162319
C 12	46.6	2.6	909	10	CNS00JTL
C 13	46.4	2.6	560	6	CA222795 SCZPF403
C 14	46	2.6	401	1	AW255252 ML252 pep
C 15	45.6	2.6	179	7	CF963096 8886r1c1c
C 16	45.6	2.6	388	7	CF962795 7934r1c1c
C 17	45.6	2.6	389	7	CF962731 7773r1c1c
C 18	45.6	2.6	474	7	CF959714 7736r1c1c
C 19	45.4	2.6	439	8	DN145761 4836_G12
C 20	45.2	2.5	330	8	DN179060 RTWNU1_1
C 21	45.2	2.5	415	8	DR012815 HEAT1_15
C 22	45.2	2.5	455	8	DN458173 EST953972

C 23	45.2	2.5	460	7	CV144191
C 24	45.2	2.5	486	8	DR089500
C 25	45.2	2.5	522	8	DN459245
C 26	45.2	2.5	540	8	DN447345
C 27	45.2	2.5	621	7	CV137364
C 28	45.2	2.5	626	8	DN460355
C 29	45.2	2.5	649	7	CV138441
C 30	45.2	2.5	657	8	DN458986
C 31	45.2	2.5	670	7	CN784300
C 32	45.2	2.5	703	8	DN447213
C 33	45.2	2.5	708	8	DN462364
C 34	45.2	2.5	713	8	DN460425
C 35	45.2	2.5	724	8	DN449051
C 36	45.2	2.5	727	7	CV137577
C 37	45.2	2.5	729	7	CV146884
C 38	45.2	2.5	739	8	DN463011
C 39	45.2	2.5	744	7	CO413802
C 40	45.2	2.5	745	8	DN451000
C 41	45.2	2.5	757	7	CO409276
C 42	45.2	2.5	766	8	DN451374
C 43	45.2	2.5	767	7	CO410601
C 44	45.2	2.5	768	7	CV138839
C 45	45.2	2.5	769	7	CO413933

ALIGNMENTS

RESULT 1
CNS00LT2/c

LOCUS

DEFINITION

ACCESSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

ORIGIN

CNS00LT2 1101 bp DNA linear GSS 14-JUN-1999
Drosophila melanogaster genome survey sequence TET3 end of BAC:
BACR48P19 of RPCI-98 library from Drosophila melanogaster (fruit
fly), genomic survey sequence.

AL078714 GI:5102004

GSS.

Drosophila melanogaster (fruit fly)

Drosophila melanogaster

Rukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;

Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;

Ephydroidea; Drosophilidae; Drosophila.

1 (bases 1 to 1101)

Genoscope.

Direct Submission

Submitted (11-JUN-1999) Genoscope - Centre National de Sequencage :

BP 131 91006 EVRY cedex - FRANCE (E-mail : seque@genoscope.cns.fr

- Web : www.genoscope.cns.fr)

Determination of this BAC-end sequence was carried out as part of a

collaboration with the Berkeley Drosophila Genome Project (BDGP).

The BDGP is constructing a physical map of the Drosophila

melanogaster genome using these BACs. For further information

please see <http://www.fruitfly.org> The BDGP Drosophila

melanogaster BAC library was prepared by Kazutoyo Ooeogawa and

Aaron Mammoser in Pieter de Jong's laboratory in the Department of

Cancer Genetics at the Roswell Park Cancer Institute in Buffalo,

NY. The library is named RPCI-98 and was constructed by partial

EcoRI digestion of Drosophila DNA provided by the BDGP from the

isogenic strain Y2; cn bw sp, the same strain used for the BDGP's

PI and EST libraries. A more detailed description of the library

and how to order individual BAC clones, the entire library, or

filters for hybridization from the BACPAC Resource Center can be

found at http://bacpac.med.buffalo.edu/drosophila_bac.htm.

Location/Qualifiers

1. .1101

/organism="Drosophila melanogaster"

/mol_type="genomic DNA"

/db_xref="taxon:7227"

/clone="BACR48P19"

/clone_lib="RPCI-98"

/note="end : TET3"

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OM nucleic - nucleic search, using sw model

Run on: January 24, 2006, 04:27:51 ; Search time 9027 Seconds
(without alignments)

11164.666 Million cell updates/sec

Title: US-10-808-964A-2

Perfect score: 1773

Sequence: 1 ggtacctcgtgattgttc.....caaatggccttcgggtacc 1773

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl.*
1: gb_ba.*
2: gb_in.*
3: gb_env.*
4: gb_om.*
5: gb_ov.*
6: gb_pat.*
7: gb_ph.*
8: gb_pr.*
9: gb_ro.*
10: gb_sts.*
11: gb_sy.*
12: gb_un.*
13: gb_vi.*
14: gb_hgt.*
15: gb_pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	1386.4	78.2	1768	13 AF264042	AF264042 Porcine c
c 2	1378.4	77.7	1768	13 AF264040	AF264040 Porcine c
c 3	1370.4	77.3	1768	13 AF264039	AF264039 Porcine c
c 4	1370.4	77.3	1768	13 AF520783	AF520783 Porcine c
c 5	1370.4	77.3	1768	13 AF544024	AF544024 Porcine c
c 6	1368.8	77.2	1768	13 AF264041	AF264041 Porcine c
c 7	1367.2	77.1	1768	13 AF264038	AF264038 Porcine c
c 8	1364	76.9	1768	13 AF264043	AF264043 Porcine c
c 9	1364	76.9	1768	13 AF454546	AF454546 Porcine c
c 10	1357.6	76.6	1768	13 AF201309	AF201309 Porcine c
c 11	1346.4	75.9	1768	13 AF201305	AF201305 Porcine c
c 12	1346.4	75.9	1768	13 AF201308	AF201308 Porcine c
c 13	1343.2	75.8	1768	13 AF201306	AF201306 Porcine c
c 14	1341.6	75.7	1768	13 AF201310	AF201310 Porcine c
c 15	1340	75.6	1768	13 AF201307	AF201307 Porcine c
c 16	1306	73.7	1767	11 AJ623306	AJ623306 Synthetic
c 17	1304.4	73.6	1767	13 AF201311	AF201311 Porcine c
c 18	1303.4	73.5	1767	13 AY122275	AY122275 Porcine c

c 19	1301.2	73.4	1767	13 AY288134	AY288134 Porcine c
c 20	1296.4	73.1	1767	13 AY294310	AY294310 Porcine c
c 21	1288.4	72.7	1767	13 AY288133	AY288133 Porcine c
c 22	1285.2	72.5	1768	6 AX379562	AX379562 Sequence
c 23	1285.2	72.5	1768	13 AY099498	AY099498 Porcine c
c 24	1278.8	72.1	1768	6 AX379560	AX379560 Sequence
c 25	1278.8	72.1	1768	13 AY099496	AY099496 Porcine c
c 26	1277.2	72.0	1768	6 AX379564	AX379564 Sequence
c 27	1277.2	72.0	1768	13 AY099500	AY099500 Porcine c
c 28	1274	71.9	1768	6 AX379561	AX379561 Sequence
c 29	1274	71.9	1768	6 AX379563	AX379563 Sequence
c 30	1274	71.9	1768	13 AY099495	AY099495 Porcine c
c 31	1274	71.9	1768	13 AY099499	AY099499 Porcine c
c 32	1262.6	71.2	1759	13 PCCOMGEN	PCCOMGEN Porcine c
c 33	1261.4	71.1	1768	13 AF305532	AF305532 Porcine c
c 34	1261.4	71.1	1768	13 AF305533	AF305533 Porcine c
c 35	1252	70.6	1762	6 AX379559	AX379559 Sequence
c 36	1252	70.6	1762	13 AY099497	AY099497 Porcine c
c 37	1218.2	68.7	1759	6 AX379565	AX379565 Sequence
c 38	1218.2	68.7	1759	13 AY099501	AY099501 Porcine c
c 39	1196.8	67.5	7400	6 AX226286	AX226286 Sequence
c 40	1195.8	67.4	5225	6 AX226280	AX226280 Sequence
c 41	1195.8	67.4	5650	6 AX226281	AX226281 Sequence
c 42	1059.8	59.8	1759	6 A97282	A97282 Sequence 5
c 43	1059.8	59.8	1759	6 AR145612	AR145612 Sequence
c 44	1059.8	59.8	1759	6 BD081867	BD081867 Porcine c
c 45	1059.8	59.8	1759	6 CQ768117	CQ768117 Sequence

ALIGNMENTS

RESULT 1
AF264042/c
LOCUS AF264042 1768 bp DNA linear VRL 23-JUL-2000
DEFINITION Porcine circovirus type 2 isolate 40895 complete genome.
ACCESSION AF264042
VERSION AF264042.1 GI:9392644
KEYWORDS
SOURCE Porcine circovirus 2
ORGANISM Porcine circovirus 2
VIRUSES; ssDNA viruses; Circoviridae; Circovirus.
REFERENCE 1 (bases 1 to 1768)
Penaux, M., Halbur, P.G., Gill, M., Toth, T.E. and Meng, X.J.
Genetic characterization of type 2 porcine circovirus (PCV-2) from
pigs with postweaning multisystemic wasting syndrome in different
geographic regions of North America and development of a
differential PCR-restriction fragment length polymorphism assay to
detect and differentiate between infections with PCV-1 and PCV-2
J. Clin. Microbiol. 38 (7), 2494-2503 (2000)
JOURNAL FUBMED 10878032
REFERENCE 2 (bases 1 to 1768)
Penaux, M., Halbur, P.G., Gill, M., Toth, T.E. and Meng, X.J.
Direct Submission
Submitted (08-MAY-2000) VNRQVM, Virginia Tech, 1410 Prices Fork
Road, Blacksburg, VA 24061, USA
JOURNAL Location/Qualifiers
FEATURES
source
1..1768
/organism="Porcine circovirus 2"
/mol_type="genomic DNA"
/isolate="40895"
/db_xref="taxon:85708"
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/genes="cap"
complement(37..738)
/genes="cap"
/notes="Cap"
/codon_start=1
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/protein_id="AAP87235.1"
/db_xref="GI:9392645"
gene
CDS
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